

03040204-080
(Lake Swamp)

General Description

Watershed 03040204-080 is located in Horry County and consists primarily of **Lake Swamp** and its tributaries. The watershed occupies 138,763 acres of the Lower Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Woodington-Goldsboro-Nansemond-Yonges-Norfolk series. The erodibility of the soil (K) averages 0.16; the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 32.8% forested land, 26.0% scrub/shrub land, 23.5% forested wetland, 16.9% agricultural land, 0.6% urban land, 0.1% water, and 0.1% nonforested wetland.

Cedar Creek (Cow Bog, Juniper Bay, Spring Bay, Mossy Bay, Back Swamp, Cartwheel Branch, Cartwheel Bay, Fifteenmile Bay, Jet Branch), Black Creek (Flat Bay), and Turkey Pen Swamp (Gunter Bay, Hannah Bay, Wolf Pit Bay, Mill Bay) drain into the Little Pee Dee River just upstream of Lake Swamp. Cartwheel Bay is a Heritage Trust Preserve. All the above waterbodies take on the classification of the Little Pee Dee River, which is ORW. Gerald Lake connects this upstream drainage to Lake Swamp.

Mitchell Swamp accepts drainage from Haggins Creek (Calf Ford Branch), Savannah Branch, Mill Branch, Seed Tick Branch, Iron Springs Swamp (Iron Springs Bay, Bobs Branch, Pinelog Branch), and Long Branch. Mitchell Swamp joins with Pleasant Meadow Swamp (Gaskins Branch, Holmes Branch, Spring Branch, Big Branch, Fifth Branch, Rooty Branch) to form the headwaters of Lake Swamp. Downstream of the confluence, Playcard Swamp (Zeeks Branch, Pasture Branch, Chickencoop Branch, Daniel Hole Branch, Leather String Branch) enters the system followed by Breakfast Swamp, Prince Mill Swamp (Little Mill Branch, Big Mill Branch, Limerick Branch), Honey Camp Branch, Rattlesnake Branch, and Reedy Branch. Joiner Swamp (Long Branch, Joiner Bay, Bogue Bay) enters Lake Swamp next followed by Loosing Swamp (Watery Bay, Turf Camp Bay, Mose Swamp, Horsepen Bay). Loosing Swamp enters the system through Johnny Lake located on Lake Swamp downstream of Joiner Swamp. Skeebo Branch originates in South Carolina within this watershed and drains into Grissett Swamp in North Carolina. The Lake Swamp Watershed drains into the Little Pee Dee River. There are several lakes and ponds (173.8 acres) in this watershed, and a total of 221.3 stream miles. Lake Swamp and Pleasant Meadow Swamp are classified FW* (dissolved oxygen not less than 4.0 mg/l and pH between 5.0 and 8.5); their tributaries and the remaining streams in the watershed, excepting Cedar Creek and its tributaries, are classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-351	W/BIO	ORW	CEDAR CREEK AT S-26-23
PD-176	W	FW*	LAKE SWAMP AT S-26-99

Cedar Creek (PD-351) - Aquatic life uses are fully supported. This is a blackwater system, characterized by naturally low pH and dissolved oxygen concentrations. Although pH and dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Recreational uses are partially supported due to fecal coliform bacteria excursions.

Lake Swamp (PD-176) - Aquatic life uses are fully supported. This is a blackwater system, characterized by naturally low dissolved oxygen concentrations. Although dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. There was a significant increasing trend in dissolved oxygen. Recreational uses are fully supported.

NPDES Program

Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD) COMMENT</i>	<i>NPDES# TYPE LIMITATION</i>
PLEASANT MEADOWS SWAMP CITY OF LORIS WWTP PIPE #: 001 FLOW: 0.70 PIPE #: 001 FLOW:1.0 (PROPOSED) PIPE #: 001 FLOW:1.2 (PROPOSED) WQL FOR DO,TRC.NH3N,BOD5	SC0025348 MINOR DOMESTIC WATER QUALITY WATER QUALITY WATER QUALITY

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

<i>LANDFILL NAME FACILITY TYPE</i>	<i>PERMIT # STATUS</i>
CITY OF LORIS DUMP -----	----- CLOSED
WACCAMAW WHEEL -----	262489-5201 -----

Land Application Sites

<i>LAND APPLICATION SYSTEM FACILITY NAME</i>	<i>ND# TYPE</i>
SPRAYFIELD GSW&SA/GREEN SEA FLOYDS HIGH SCHOOL	ND0066516 DOMESTIC

Mining Activities

MINING COMPANY
MINE NAME

PERMIT #
MINERAL

BLACK CREEK MINING CO.
BLACK CREEK MINE

1003-51
SAND

Water Supply

Portions of this watershed fall within the Waccamaw Capacity Use Area and large groundwater uses must be reported (see Capacity Use Program p.23).

Growth Potential

There is a low potential for growth in this watershed, which contains the City of Loris. Water and sewer infrastructure are located in the City of Loris, and water service is available along the U.S. Hwy. 701 corridor to the City of Conway. Outside of Loris, the area is predominately rural with agricultural uses and timberlands.